

ABSTRACT

The present invention provides a transmission device
for predistorting a digital signal in order to compensate
5 distortion, then amplifying and transmitting it. A digital
input signal is converted to a first analog signal by a
first D/A converter. Separately, the digital input signal
is also subjected to predistortion. A compensating signal
is then generated from the digital input signal and the
10 predistorted signal. The compensating signal generated
thereby is converted into a second analog signal by a
second D/A converter. The first analog signal and second
analog signal are then added, this addition operation
giving a compensated analog transmission signal. This
15 analog transmission signal is supplied to the amplifier for
amplification, and then transmitted via an antenna.

2025 RELEASE UNDER E.O. 14176